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FIG. 1

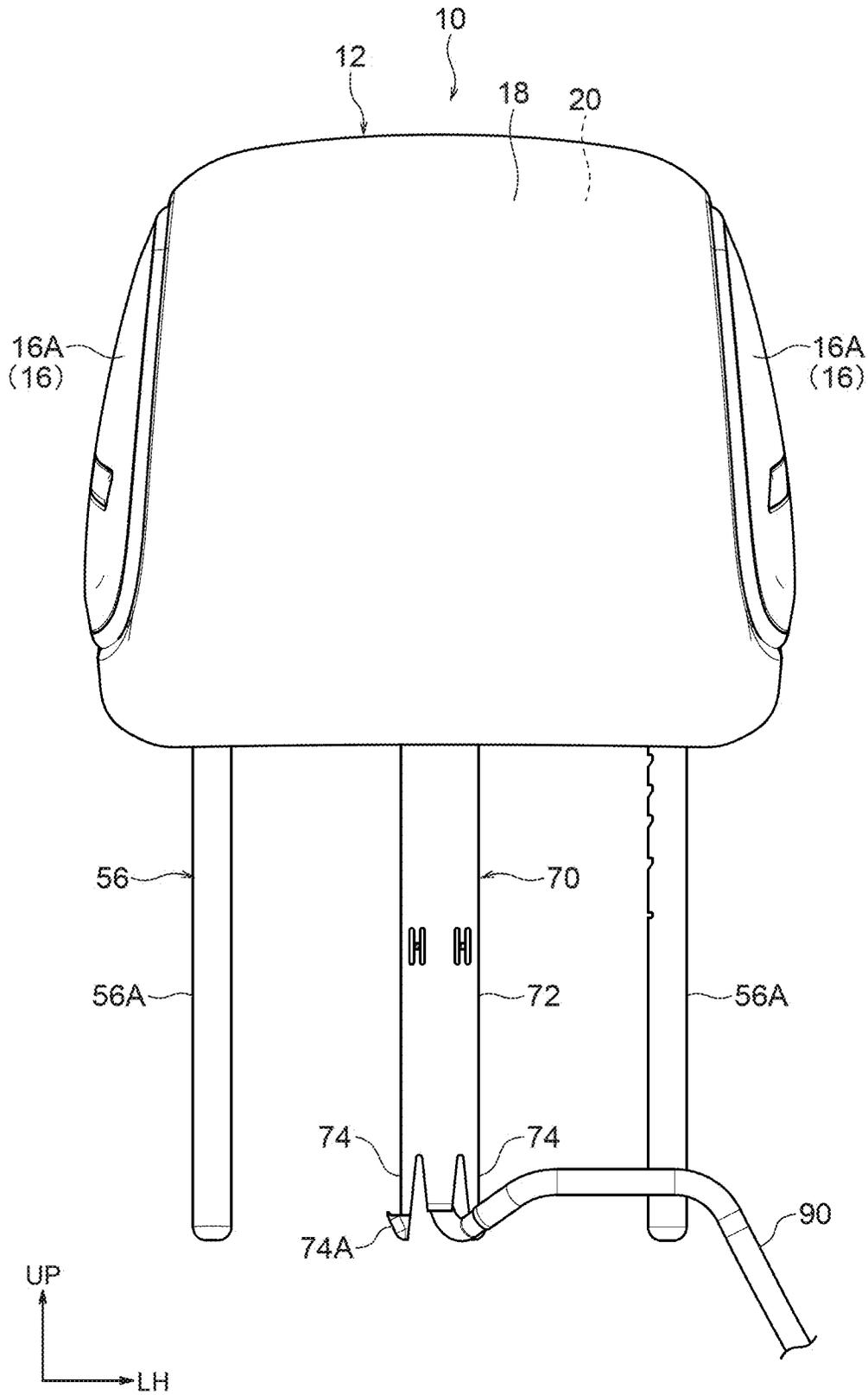


FIG. 2

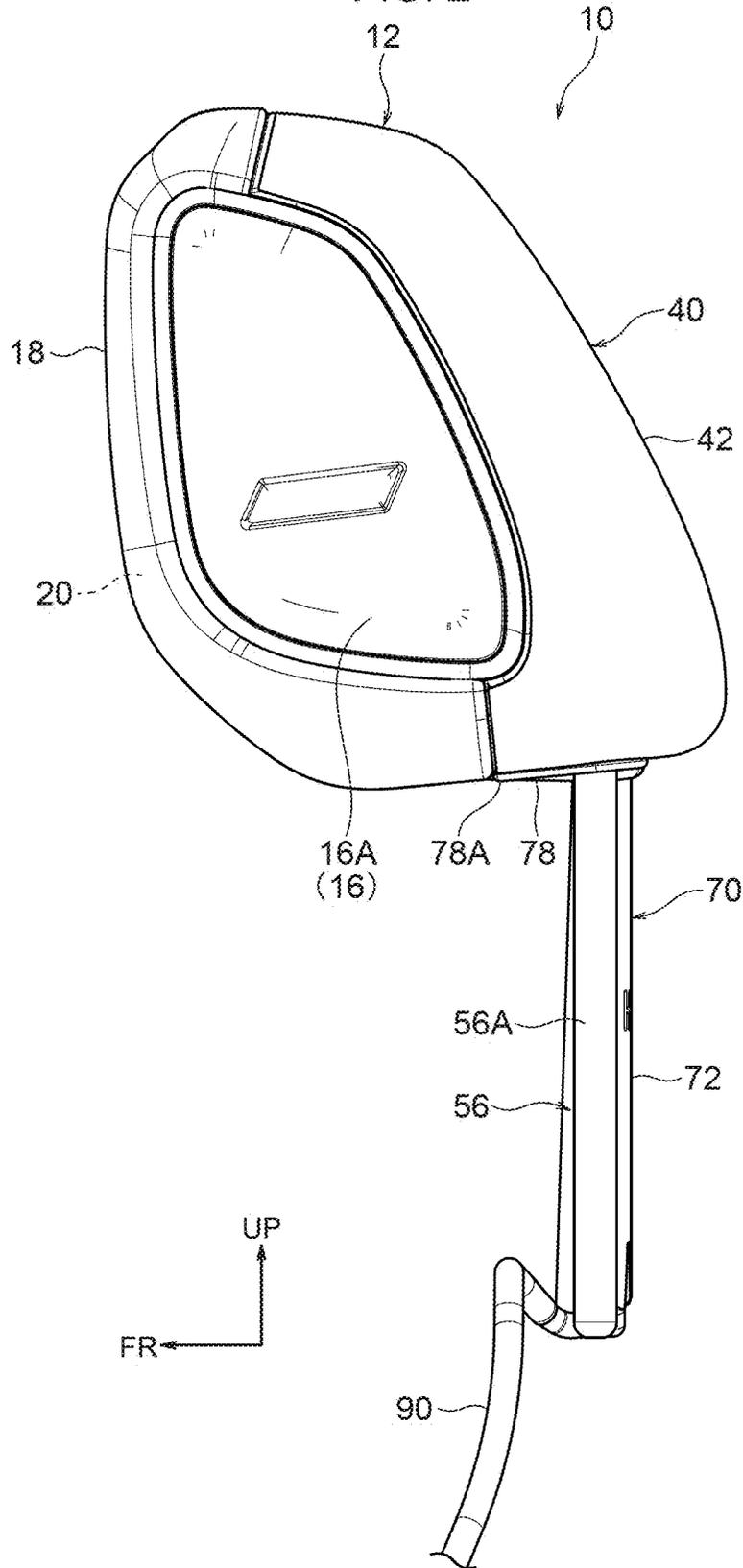


FIG. 3

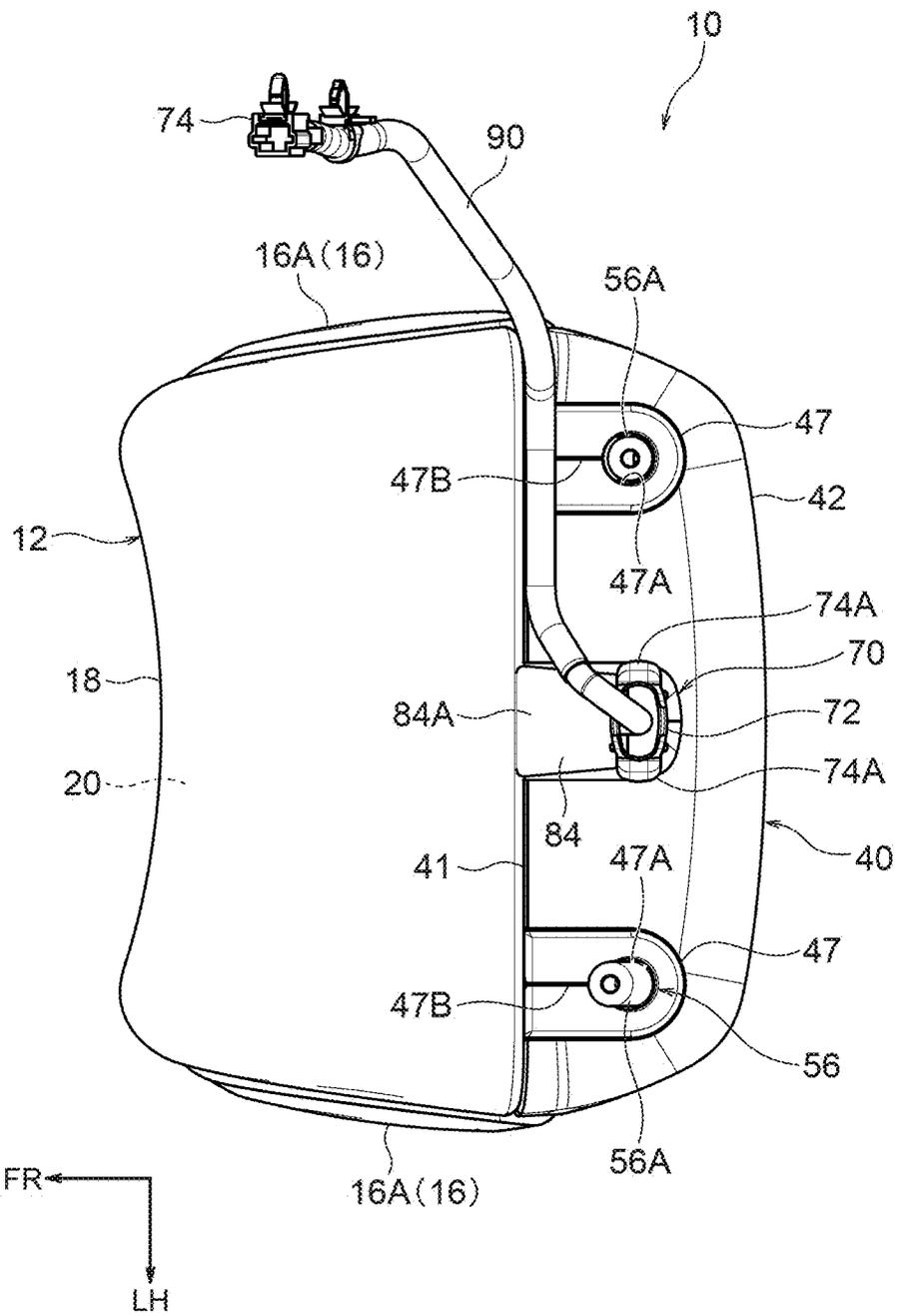


FIG. 4

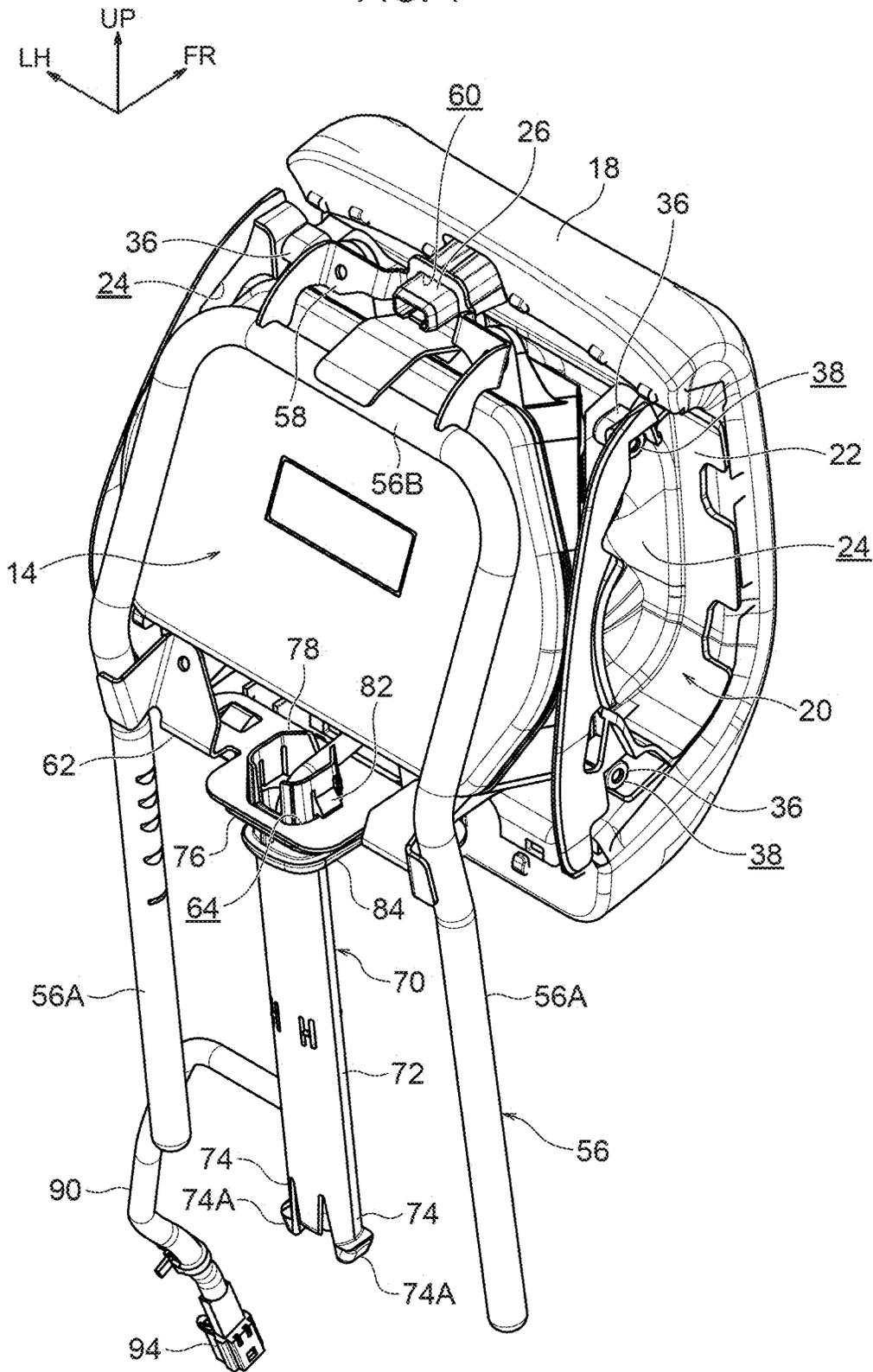


FIG. 5

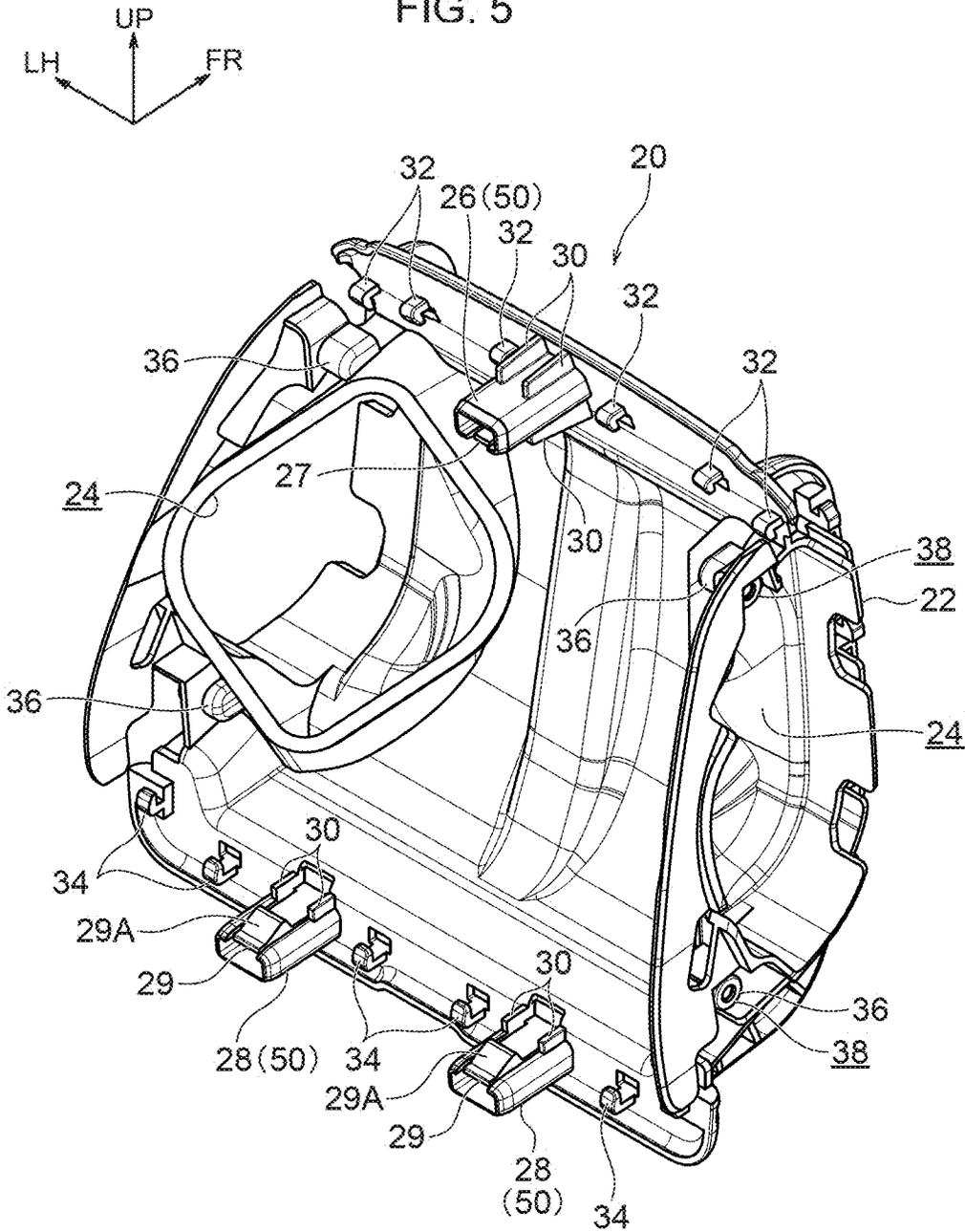


FIG. 6

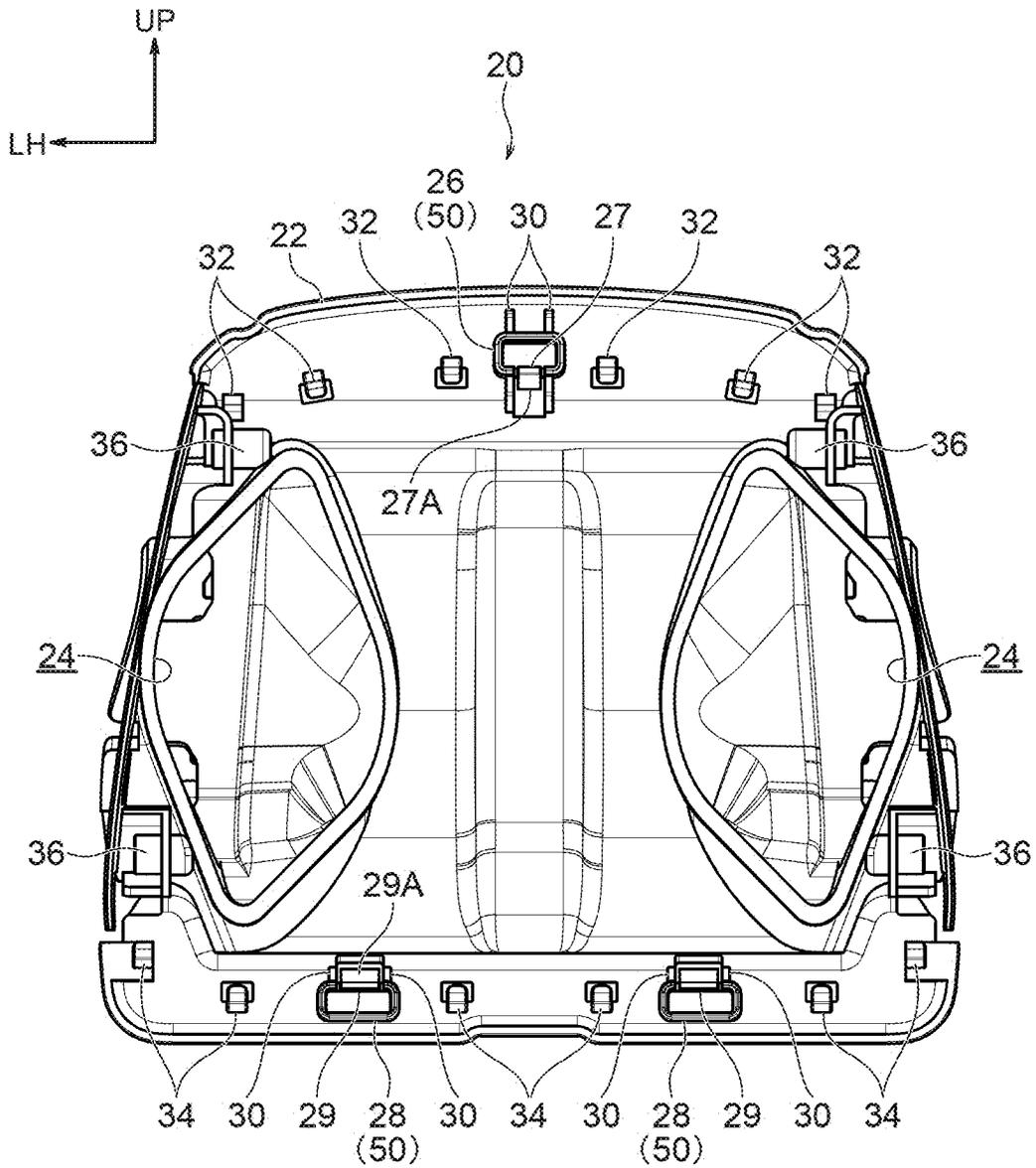


FIG. 7

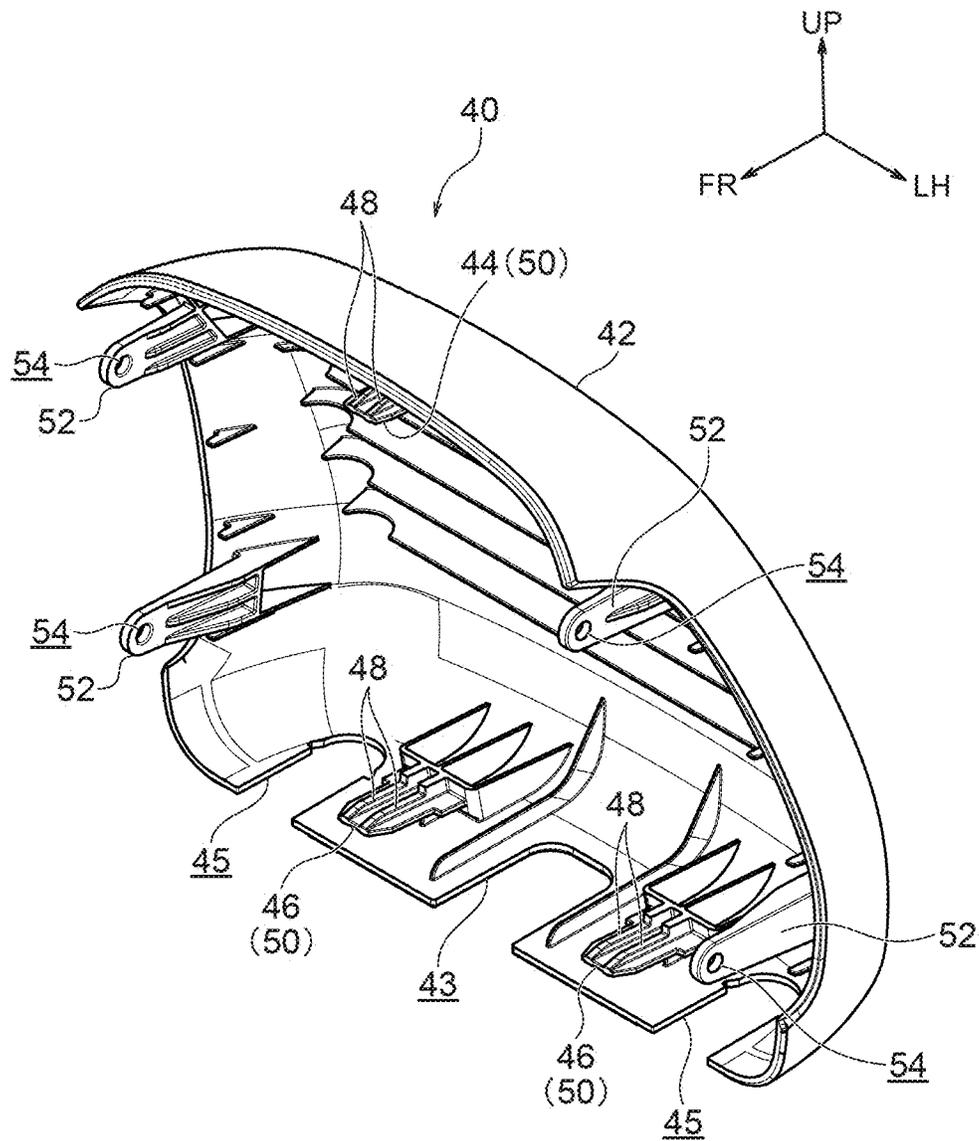


FIG. 8

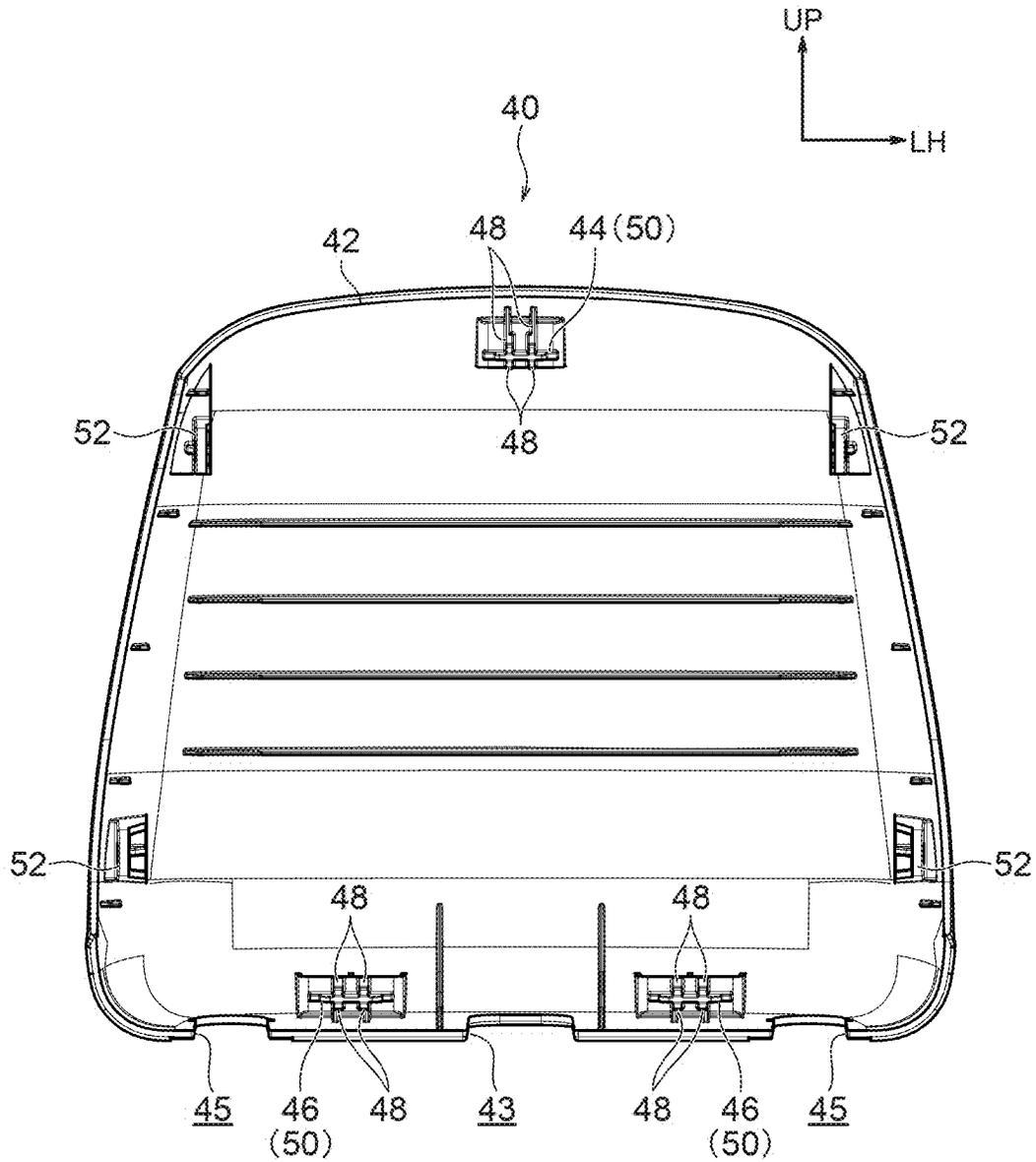


FIG. 9

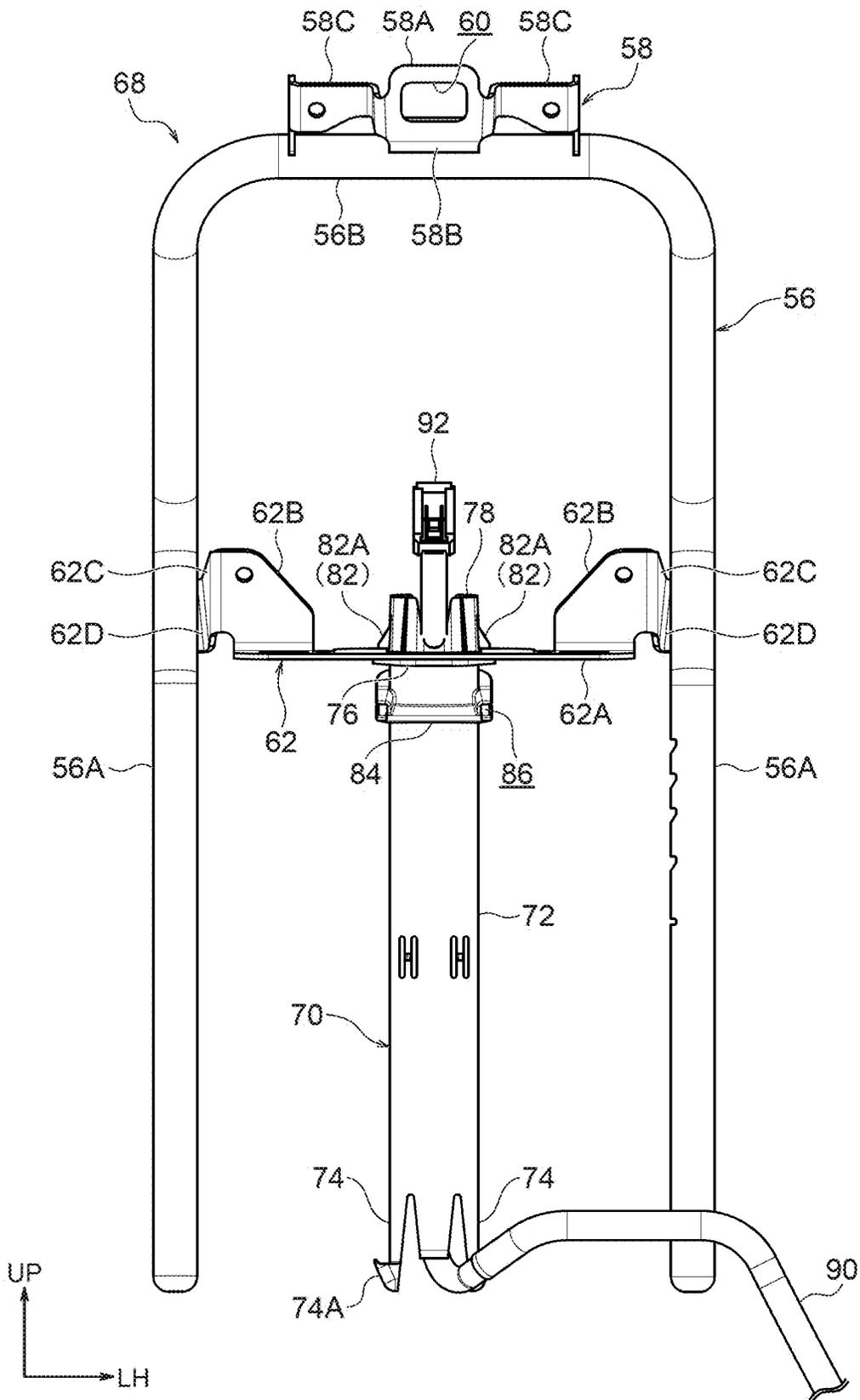


FIG. 10

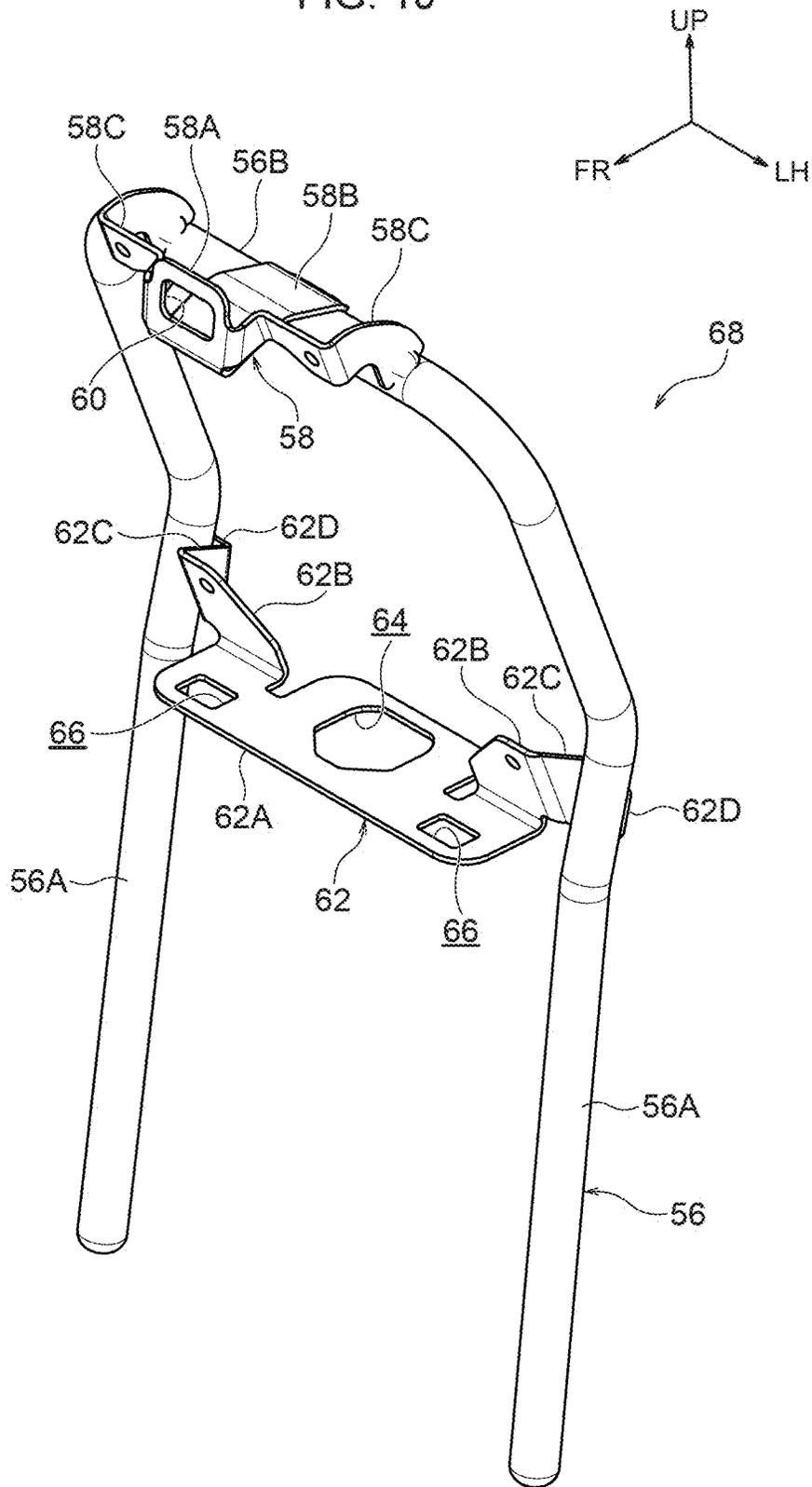


FIG. 11

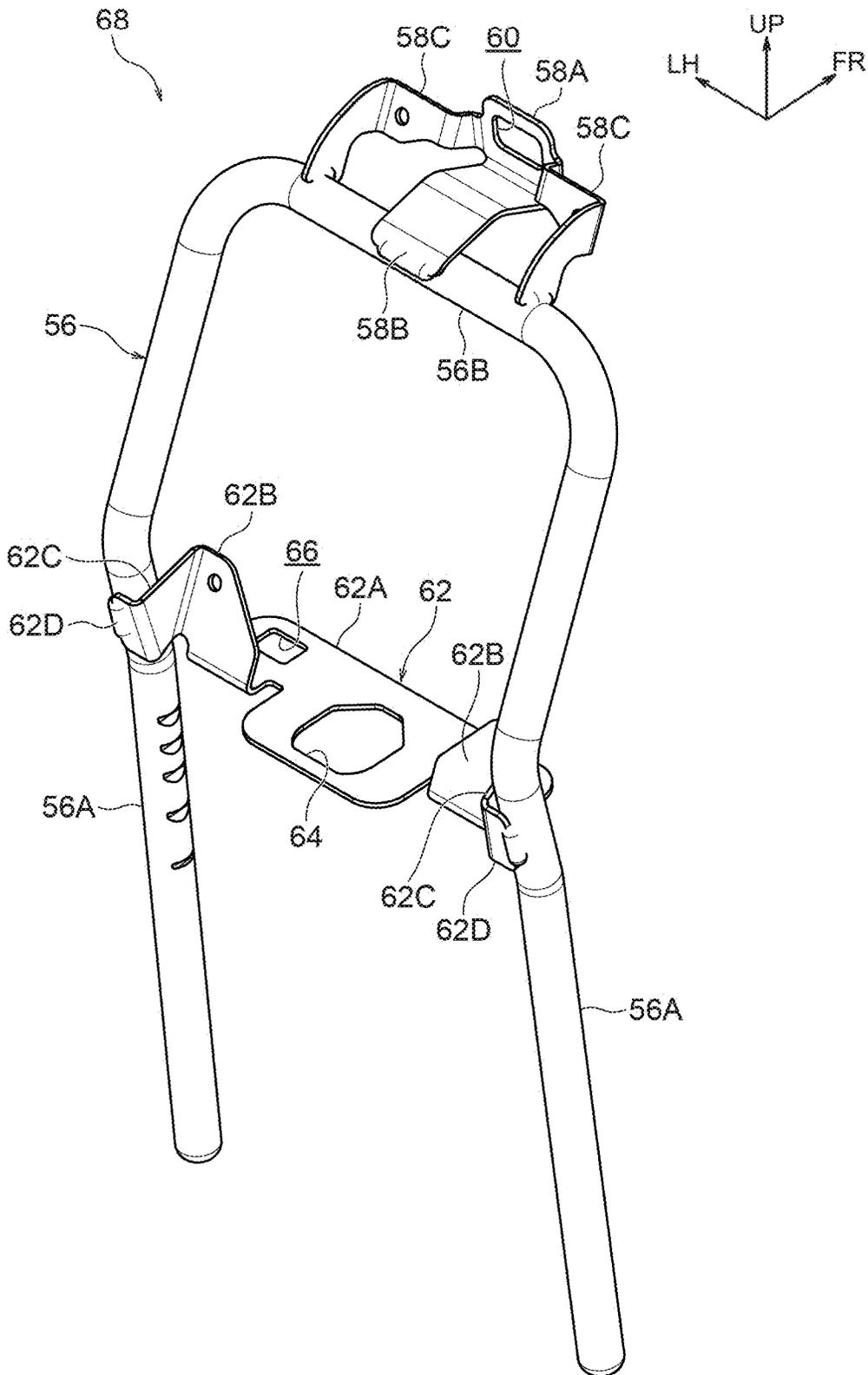


FIG. 12

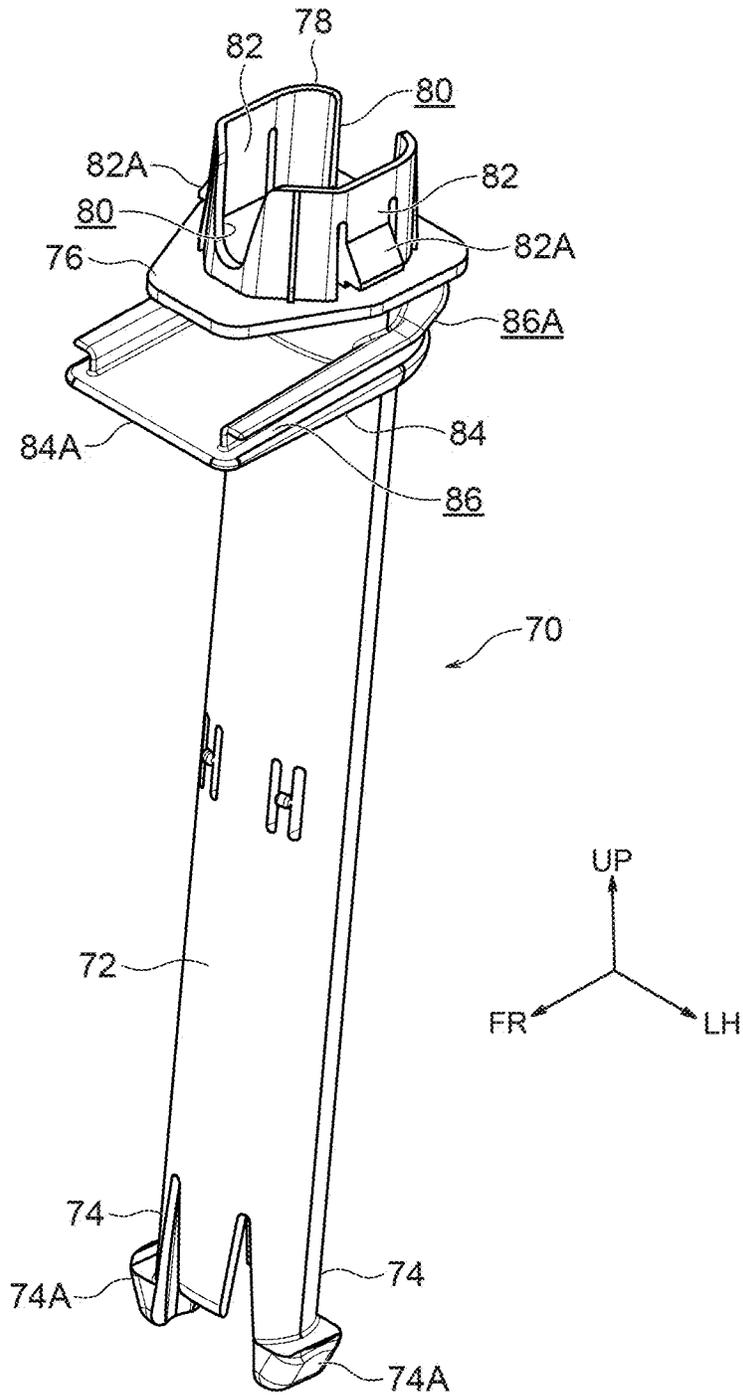


FIG. 13

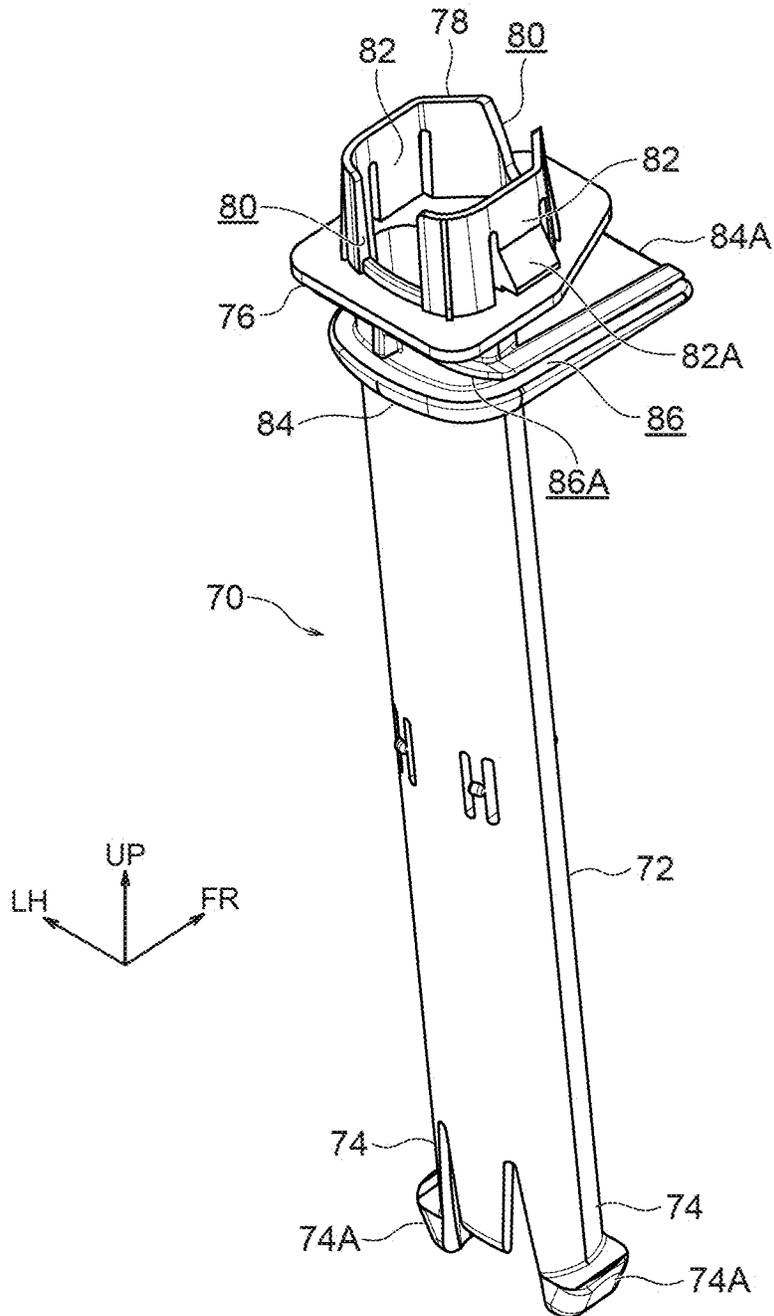


FIG. 14

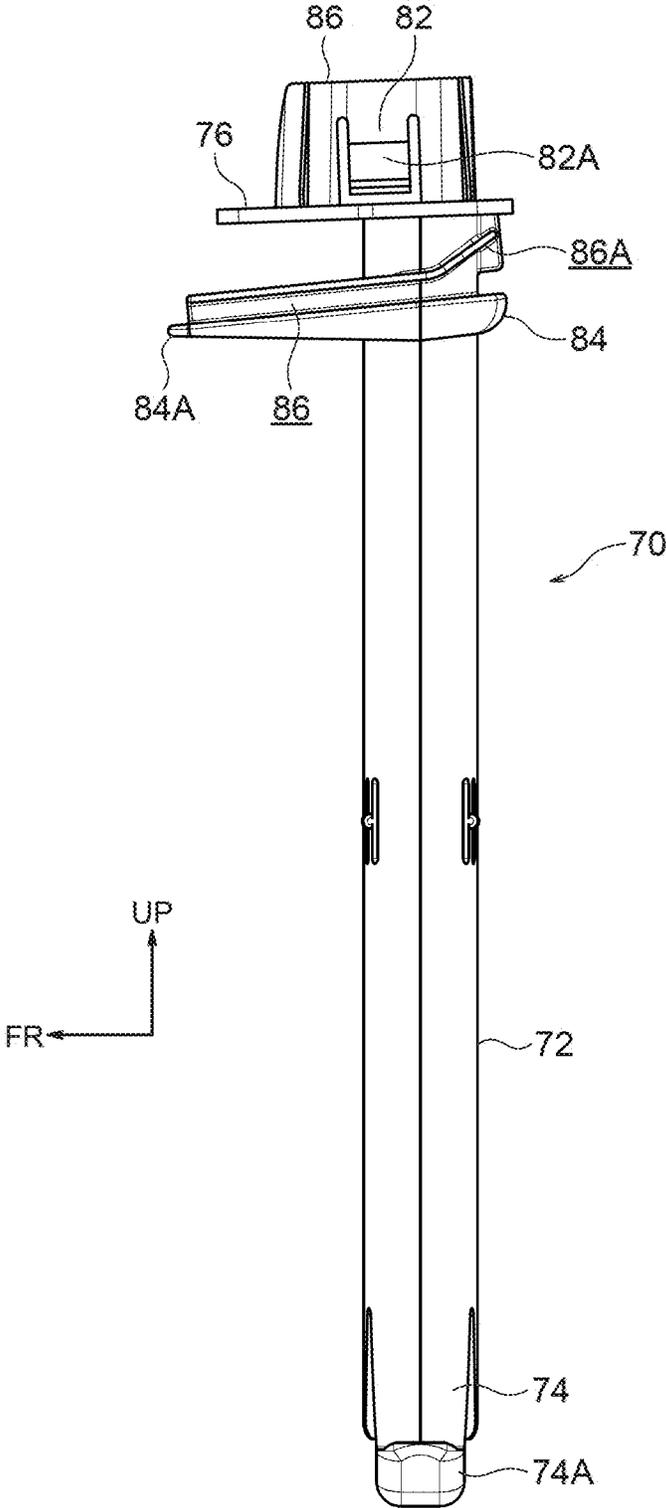


FIG. 15

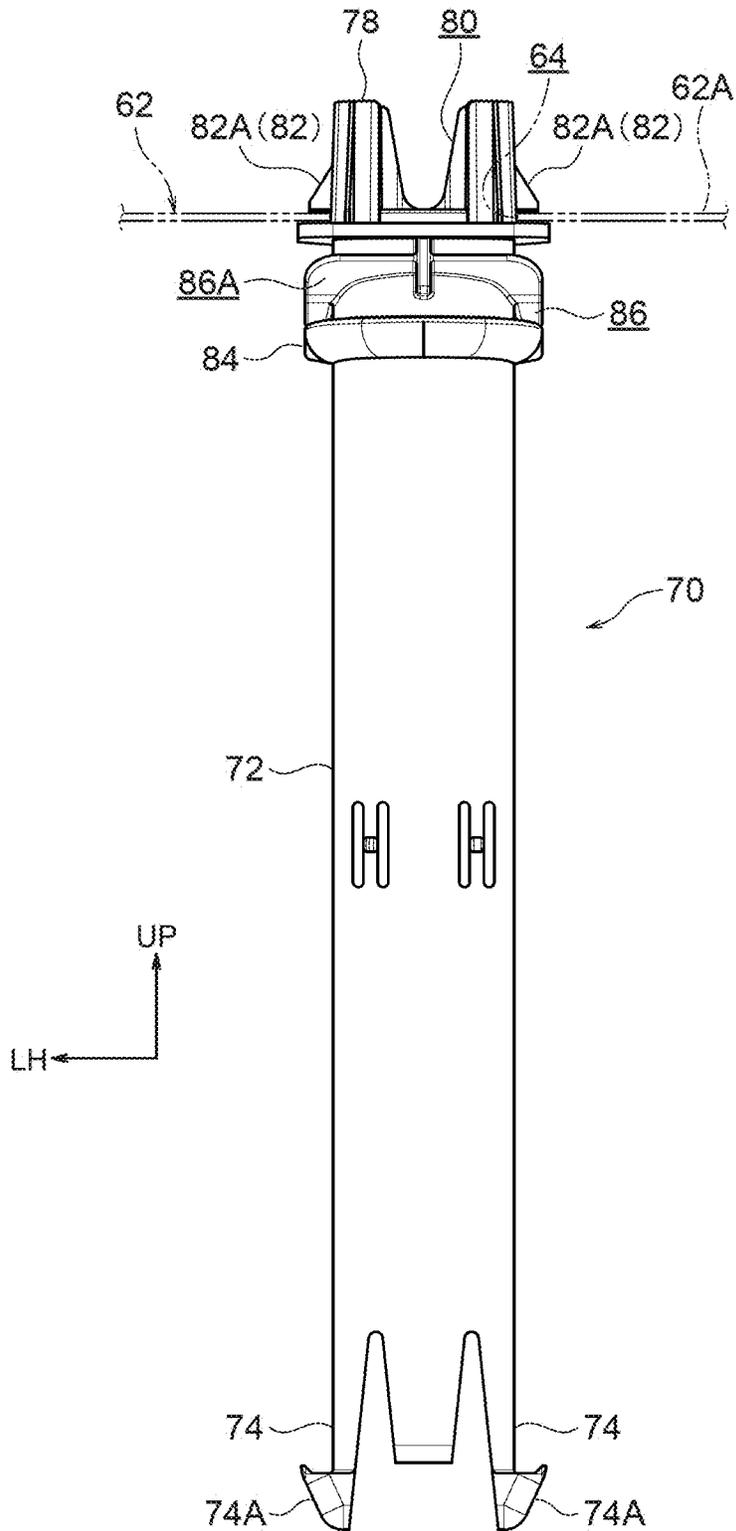


FIG. 16

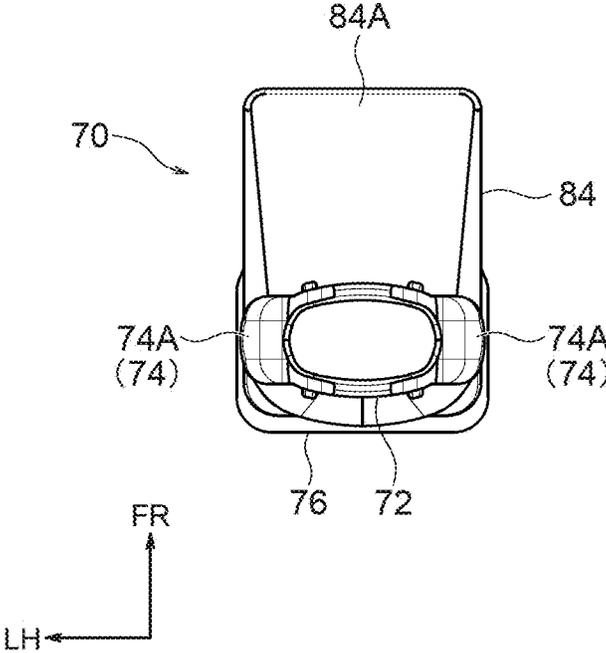


FIG. 17

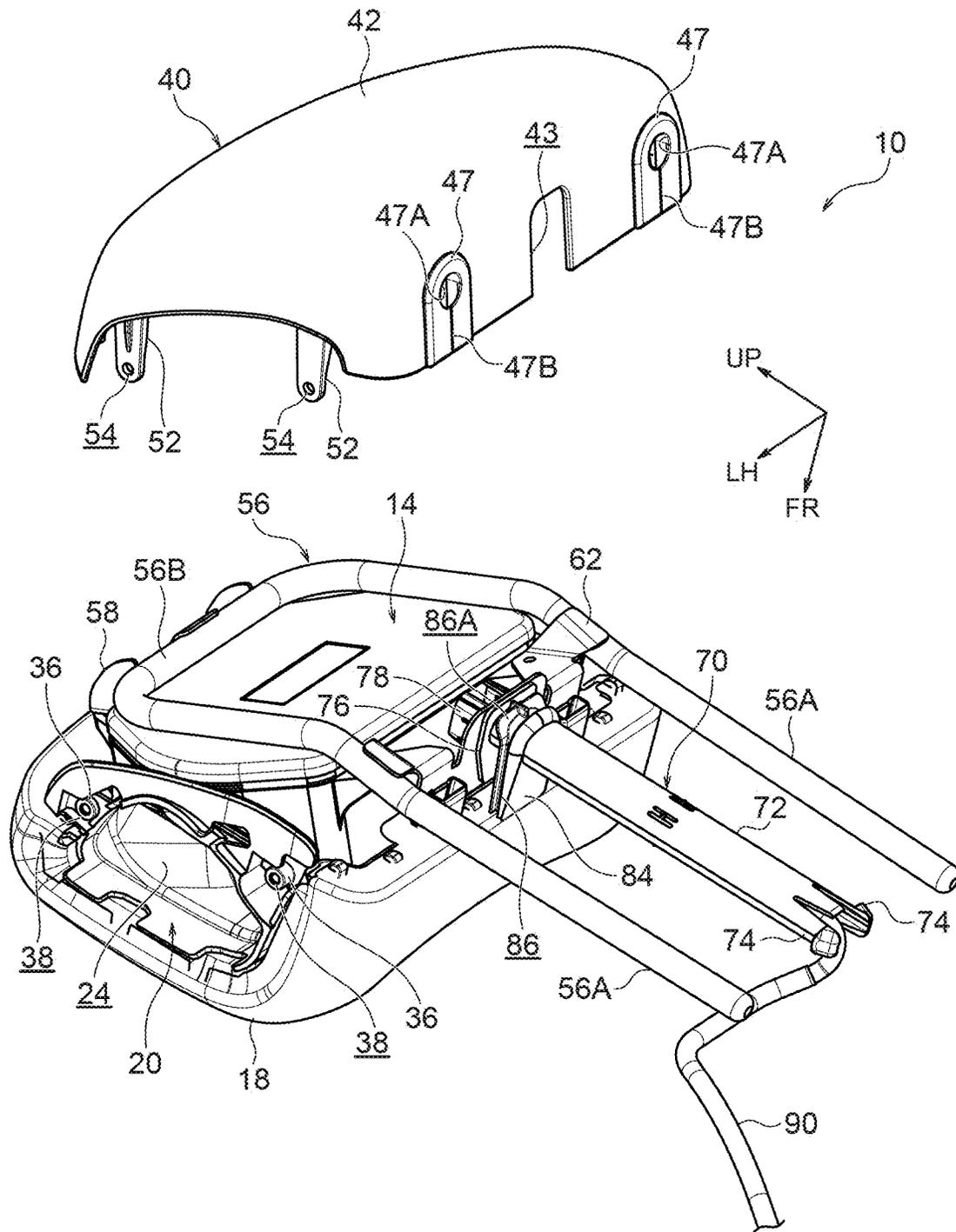
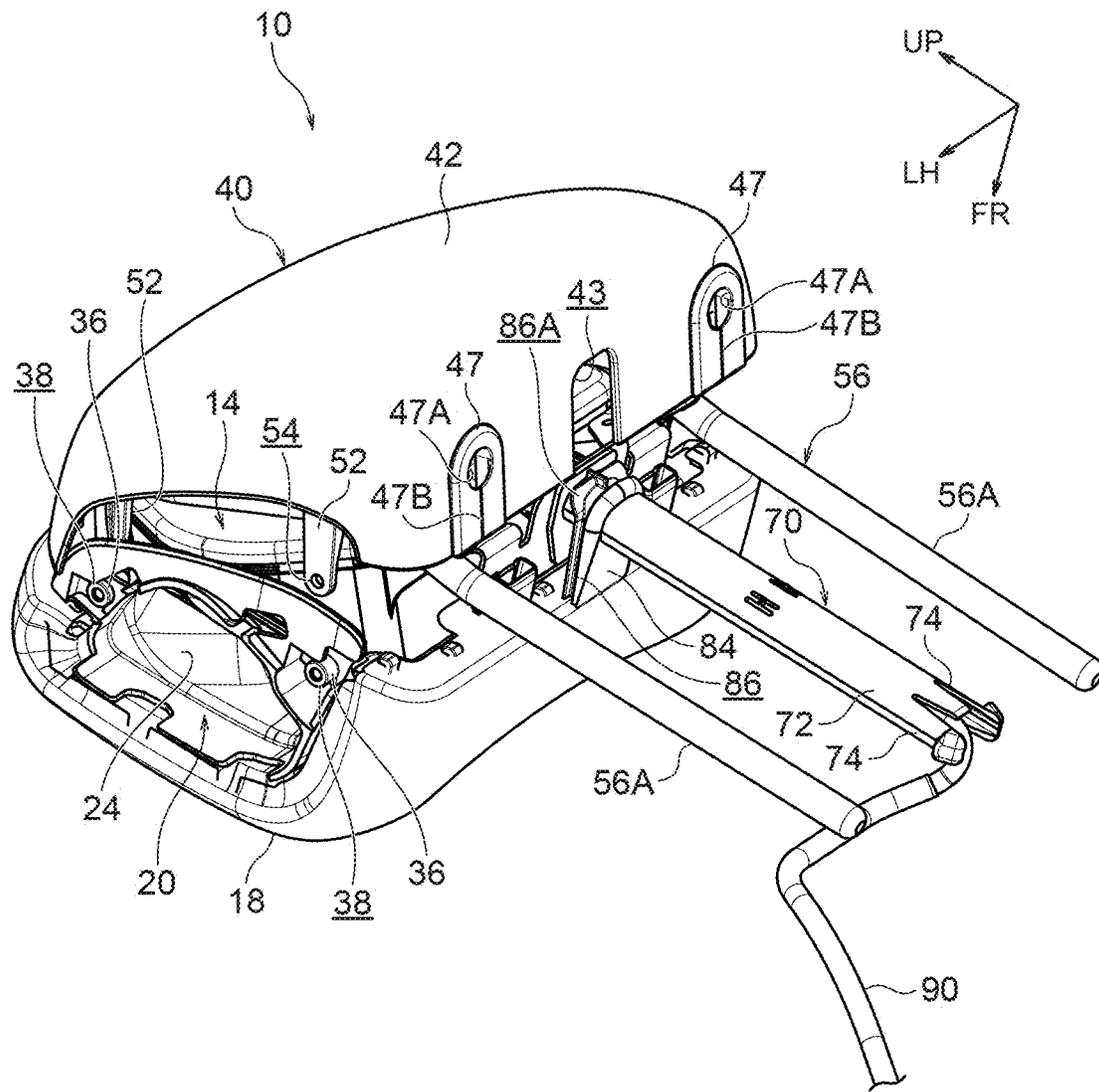


FIG. 18



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**HEADREST SLEEVE AND HEADREST****CROSS-REFERENCE TO RELATED APPLICATION**

This application is based on and claims priority under 35 USC 119 from Japanese Patent Application No. 2020-101101 filed on Jun. 10, 2020, the disclosure of which is incorporated by reference herein.

**BACKGROUND****Technical Field**

The present disclosure relates to a headrest, and in particular to a headrest sleeve through which a wire harness or the like is inserted.

**Related Art**

Japanese Patent Application Laid-Open (JP-A) No. 2014-125188 discloses a structure for routing a wire harness between a seatback and a headrest of a vehicle seat. The headrest is coupled to the seatback so as to allow height adjustment, and a headrest monitor configuring an electrical device is provided inside the headrest. A tubular harness attachment portion (sleeve) that projects toward a lower side of the headrest is provided at a lower end portion of the headrest monitor. The sleeve is inserted into a tubular cover provided at an upper end portion of the seatback. The sleeve moves up and down relative to the cover as the height of the headrest is adjusted. The wire harness is routed from the inside of the headrest to the inside of the seatback through the inside of the sleeve and the inside of the cover.

**SUMMARY**

In the above related art, the sleeve for wire harness insertion projects out from the lower end portion of the headrest monitor. However, in other types of headrest, such a sleeve may sometimes be assembled to a bracket that is fixed to a headrest stay. In such cases, for example, a flange formed to an upper end portion of the sleeve may be fastened and fixed to the bracket using plural screws. Such a configuration necessitates a process to fasten the screws, leaving room for improvement from the perspective of facilitating assembly of the sleeve to the bracket.

In consideration of the above circumstances, an object of the present disclosure is to obtain a headrest sleeve and a headrest provided with the headrest sleeve that facilitate assembly to a bracket fixed to a headrest stay.

A first aspect of the present disclosure is a headrest sleeve for assembly to a bracket fixed to a stay for supporting a main body of a headrest. The headrest sleeve includes a sleeve body formed in a tubular shape, a collar-shaped flange extending from one end portion of the sleeve body and disposed so as to be capable of contacting the bracket, a bracket-fitting section extending from the flange toward an opposite side from the sleeve body and configured to be capable of being fitted into a fitting hole formed in the bracket, and an anchor clip provided at the bracket-fitting section and configured to undergo elastic deformation and elastic recovery during the fitting of the bracket-fitting section into the fitting hole so as to engage with the bracket from an opposite side from the flange.

The headrest sleeve of the first aspect is configured to be assembled to the bracket fixed to the stay that supports the

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main body of the headrest. The headrest sleeve includes the sleeve body that is formed in a tubular shape. The collar-shaped flange extends from the one end portion of the sleeve body. The flange is moreover disposed so as to be capable of contacting the bracket. The bracket-fitting section extends from the flange toward the opposite side from the sleeve body. The bracket-fitting section is configured to be capable of being fitted into the fitting hole formed in the bracket. The bracket-fitting section is provided with the anchor clip. The anchor clip undergoes elastic deformation and elastic recovery during the fitting process so as to engage with the bracket from the opposite side from the flange. Assembly of the headrest sleeve to the bracket is performed in the above manner. This assembly can thus be completed simply by performing the above fitting operation, rendering a screw fastening process unnecessary, and thus facilitating assembly.

A headrest sleeve of a second aspect of the present disclosure is the first aspect, further including a cover-fitting section extending from the sleeve body on an opposite side of the flange from the bracket-fitting section, wherein the cover-fitting section is configured to be capable of fitting together with a set-back section formed in a cover member included in the main body.

In the headrest sleeve of the second aspect, the cover-fitting section extends from the sleeve body on the opposite side of the flange from the bracket-fitting section. The cover-fitting section is capable of fitting together with the set-back section formed in the cover member of the main body of the headrest. The headrest sleeve is thus supported at two locations by the cover member and the bracket, namely through the cover-fitting section and the bracket-fitting section, thereby enabling the support strength provided at the headrest sleeve to be enhanced.

A headrest sleeve of a third aspect of the present disclosure is the second aspect, wherein the cover-fitting section is formed with a groove into which an edge of the set-back section is fitted.

In the headrest sleeve of the third aspect, the edge of the set-back section in the cover member of the headrest is fitted into the groove formed in the cover-fitting section. This enables the cover-fitting section to be securely supported with respect to the cover member.

A headrest sleeve of a fourth aspect of the present disclosure is the third aspect, wherein the groove is formed in a tapering shape such that a groove width of the groove gradually decreases on progression toward a back side of the groove in a fitting direction of the edge of the set-back section.

In the headrest sleeve of the fourth aspect, the groove formed in the cover-fitting section is formed in a tapering shape such that the groove width of the groove gradually decreases on progression toward the back side of the groove in the fitting direction of the edge of the set-back section of the cover member. This enables play between the groove (i.e. the cover-fitting section) and the edge of the set-back section to be reduced or eliminated.

A headrest sleeve of a fifth aspect of the present disclosure is the second aspect, wherein the main body includes another cover member that is supported by the stay, and the cover member is coupled to the other cover member by plural coupling sections arranged inside the headrest, and the cover-fitting section is fitted together with the set-back section during the coupling.

In the headrest sleeve of the fifth aspect, the cover-fitting section is fitted together with the set-back section in the cover member during coupling of the cover member of the

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main body of the headrest to the other cover member supported by the headrest stay. The cover member and the other cover member are coupled together by the plural coupling sections arranged inside the headrest. Although this coupling operation is performed under circumstances in which the plural coupling sections are difficult to see, the cover member and the other cover member are positioned with respect to each other as the cover-fitting section and the set-back section in the cover member are being fitted together. This enables the coupling of the plural coupling sections to be guided, thereby facilitating the coupling operation.

A headrest sleeve of a sixth aspect of the present disclosure is the second aspect, wherein the main body includes another cover member that is supported by the stay and to which the cover member is coupled, and a covering material that is laid over the other cover member, and the cover-fitting section includes a concealing portion that hides part of a seam between the covering material and the cover member.

In the headrest sleeve of the sixth aspect, the cover-fitting section fitted together with the set-back section in the cover member of the main body of the headrest includes the concealing portion. The concealing portion conceals part of the seam between the cover member and the covering material laid over the other cover member to which the cover member is coupled. This enables a high quality finish to be obtained at the seam.

A headrest of a seventh aspect of the present disclosure includes a stay to which a bracket is fixed, a main body supported by the stay, and the headrest sleeve of the first aspect assembled to the bracket.

In the headrest of the seventh aspect, the bracket is fixed to the stay that supports the main body. The headrest sleeve is assembled to the bracket. The headrest sleeve is that described in the first aspect. Accordingly, similar operation and advantageous effects to those of the first aspect are obtained.

As described above, the headrest sleeve and headrest according to the present disclosure facilitate assembly to a bracket fixed to a headrest stay.

#### BRIEF DESCRIPTION OF THE DRAWINGS

Exemplary embodiments of the present disclosure will be described in detail based on the following figures, wherein:

FIG. 1 is a front view illustrating a headrest according to an exemplary embodiment;

FIG. 2 is a side view illustrating a headrest according to an exemplary embodiment;

FIG. 3 is a lower face view illustrating a headrest according to an exemplary embodiment;

FIG. 4 is a perspective view illustrating a headrest according to an exemplary embodiment in a state in which a rear cover has been removed;

FIG. 5 is a perspective view illustrating a front cover of a headrest according to an exemplary embodiment;

FIG. 6 is a back face view illustrating the front cover;

FIG. 7 is a perspective view illustrating a rear cover of a headrest according to an exemplary embodiment;

FIG. 8 is a front view illustrating the rear cover;

FIG. 9 is a front view illustrating a state in which a sleeve and a harness have been assembled to a stay assembly of a headrest according to an exemplary embodiment;

FIG. 10 is a perspective view illustrating the stay assembly;

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FIG. 11 is a perspective view illustrating the stay assembly;

FIG. 12 is a perspective view illustrating the sleeve;

FIG. 13 is a perspective view illustrating the sleeve;

FIG. 14 is a side view illustrating the sleeve;

FIG. 15 is a back face view illustrating the sleeve;

FIG. 16 is a lower face view illustrating the sleeve;

FIG. 17 is a first perspective view to explain assembly of a rear cover to a front cover; and

FIG. 18 is a second perspective view to explain assembly of a rear cover to a front cover

#### DETAILED DESCRIPTION

Explanation follows regarding a headrest **10** according to an exemplary embodiment of the present disclosure, with reference to FIG. 1 to FIG. 18. Note that some reference numerals may be omitted from the drawings in order to facilitate understanding of the drawings. In the drawings, the arrow FR, the arrow LH, and the arrow UP respectively indicate a front side, a left side, and an upper side of the headrest **10**. Hereafter, reference to front-rear, left-right, and up-down directions refers to these directions relative to the headrest **10**.

#### Configuration

As illustrated in FIG. 1 to FIG. 3, the headrest **10** according to the present exemplary embodiment includes a main body **12**, a stay **56**, a sleeve **70**, and a wire harness **90**. The sleeve **70** corresponds to a "headrest sleeve" of the present disclosure. As an example, the headrest **10** is coupled to an upper end portion of a seatback of a non-illustrated vehicle seat so as to support the head of an occupant. As illustrated in FIG. 4, an audio unit **14**, this being an electrical device, is built into the main body **12** of the headrest **10**. The audio unit **14** includes a left and right pair of speakers **16**. The left and right speakers **16** are configured including left and right speaker covers **16A** (see FIG. 1 to FIG. 3) that are attached to respective left and right end portions of the main body **12**.

The main body **12** has a front styling face configured by a trim **18**, a rear styling face configured by a rear cover **40**, and respective left and right styling faces configured by the left and right speaker covers **16A**. The trim **18** is laid over a front cover **20** that is supported by the stay **56**. The front cover **20** is disposed in front of the stay **56**, and is fixed to an upper bracket **58** and a lower bracket **62** that are fixed to the stay **56**. The audio unit **14** is assembled to the front cover **20**. A front face of the front cover **20** is hidden by the trim **18**, and a non-illustrated padding material is interposed between the trim **18** and the front cover **20**. The rear cover **40** is disposed behind the stay **56**, and is coupled to the front cover **20**. The rear cover **40** is thereby supported by the stay **56** through the front cover **20**.

The rear cover **40** corresponds to a "cover member" of the present disclosure, the front cover **20** corresponds to "another cover member" of the present disclosure, the trim **18** corresponds to a "covering material" of the present disclosure, and the lower bracket **62** corresponds to a "bracket" of the present disclosure. The sleeve **70** is assembled to the lower bracket **62**, and the wire harness **90** is inserted through the sleeve **70**. The wire harness **90** is a bundle of wires for supplying electric power and the like to the audio unit **14**, and is routed from the inside of the headrest **10** to the inside of the non-illustrated seatback. As illustrated in FIG. 4 and FIG. 9, connectors **92**, **94** are respectively attached to an upper end portion and a lower end portion of the wire harness **90**. The connector **92**

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attached to the upper end portion of the wire harness **90** is connected to a non-illustrated connector of the audio unit **14**. The connector **94** attached to the lower end portion of the wire harness **90** is connected to a connector attached to an upper end portion of another wire harness routed inside the seatback (none of these elements are illustrated in the drawings). Detailed explanation follows regarding the above configuration elements.

As illustrated in FIG. 5 and FIG. 6, the front cover **20** includes a front cover body **22** that is, as an example, a substantially box shaped molded resin component opening toward the rear side. The audio unit **14** is fitted inside the front cover body **22** from the rear side. Respective openings **24** are formed in left and right side sections of the front cover body **22**. The openings **24** are disposed opposing the left and right speakers **16** of the audio unit **14**. The speaker covers **16A** of the left and right speakers **16** are respectively installed in left and right end portions of the front cover **20** with clip fittings or the like.

A single clip insertion portion **26** is formed to an upper end portion of the front cover body **22**. Two clip insertion portions **28** arranged along the left-right direction are formed to a lower end portion of the front cover body **22**. Each of the clip insertion portions **26, 28** is formed in a substantially angular tubular shape with its axial direction running in the front-rear direction, and projects rearward from the upper end portion or lower end portion of the front cover body **22**. The clip insertion portion **26** formed to the upper end portion of the front cover body **22** is positioned at a left-right direction central portion of the front cover body **22**. The left and right clip insertion portions **28** formed to the lower end portion of the front cover body **22** are formed at positions that have left-right symmetry about the left-right direction central portion of the front cover body **22**. The clip insertion portions **26, 28** are aligned with respect to the rear cover **40**.

A left-right direction central portion of a lower wall of the clip insertion portion **26** formed to the upper end portion of the front cover body **22** configures a flexible portion **27** that is capable of undergoing elastic deformation in the up-down direction. A downward-projecting protrusion **27A** is formed at a leading end side of the flexible portion **27**. A left-right direction central portion of an upper wall of each of the clip insertion portions **28** formed to the lower end portion of the front cover body **22** configures a flexible portion **29** that is capable of undergoing elastic deformation in the up-down direction. An upward-projecting protrusion **29A** is formed at a leading end side of each of the flexible portions **29**. A left and right pair of abutting ribs **30** are formed projecting out from left and right sides of an upper face of each of the clip insertion portions **26, 28**. Each of the abutting ribs **30** has a plate shape with its plate thickness direction running in the left-right direction and its length running in the front-rear direction, and is formed at a base end side of the corresponding clip insertion portion **26, 28**. The respective flexible portions **27, 29** and abutting ribs **30** are aligned with respect to the upper bracket **58** and the lower bracket **62**.

Plural (six in this example) trim anchor clips **32** are formed arrayed along the left-right direction at the upper end portion of the front cover body **22**. The plural trim anchor clips **32** project rearward from the upper end portion of the front cover body **22**, and a leading end portion of each of the trim anchor clips **32** bends downward. Plural (six in this example) trim anchor clips **34** are formed arrayed along the left-right direction at the lower end portion of the front cover body **22**. The plural trim anchor clips **34** project rearward from the lower end portion of the front cover body **22**, and

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a leading end portion of each of the trim anchor clips **34** bends upward. The trim anchor clips **32, 34** are somewhat smaller than the clip insertion portions **26, 28**. An upper end portion of the trim **18** is anchored to the trim anchor clips **32** formed to the upper end portion of the front cover body **22**. A lower end portion of the trim **18** is anchored to the trim anchor clips **32** formed to the lower end portion of the front cover body **22**.

An upper and lower pair of screw fastening portions **36** are respectively formed at upper and lower sides of each of the openings **24** formed in the left and right end portions of the front cover body **22**. A threaded hole **38** that is open toward the corresponding left-right direction outer side is formed in each of the screw fastening portions **36**. The respective screw fastening portions **36** are aligned with respect to the rear cover **40**.

As illustrated in FIG. 7 and FIG. 8, the rear cover **40** includes a rear cover body **42** that is, as an example, a substantially box shaped molded resin component opening toward the front side. A set-back section **43** that is set back from the front side is formed in a central portion of a lower wall of the rear cover body **42**. A left and right pair of leg set-back sections **45** that are likewise set back from the front side are formed in left and right side portions of the rear cover body **42**. The set-back section **43** is aligned with respect to the sleeve **70**, and the left and right leg set-back sections **45** are aligned with respect to the stay **56**. Rubber covers **47** (see FIG. 3) made of rubber are respectively assembled to the left and right leg set-back sections **45**. A circular through-hole **47A** is formed in a rear portion of each of the rubber covers **47**. A slit **47B** that extends from a front end of the rubber cover **47** to the through-hole **47A** is formed in a front portion of each of the rubber covers **47**.

A single clip **44** is formed to an upper end portion at the inside of the rear cover body **42**. Two clips **46** are formed to a lower end portion at the inside of the rear cover body **42**. The respective clips **44, 46** are arranged inside the rear cover body **42** so as not to project forward beyond the rear cover body **42**. The clip **44** formed to the upper end portion at the inside of the rear cover body **42** is positioned at a left-right direction central portion of the rear cover body **42**. The left and right clips **46** formed to the lower end portion at the inside of the rear cover body **42** are formed at positions that have left-right symmetry about the left-right direction central portion of the rear cover body **42**.

A base end side location of the clip **44** formed to the upper end portion of the rear cover body **42** has a substantially box shape opening toward the lower side, and is integrally joined to the rear cover body **42**. A leading end side location of the clip **44** has a substantially plate shape with its plate thickness direction running in the up-down direction, and is disposed spaced apart from the rear cover body **42**. A base end side location of each of the left and right clips **46** formed to the lower end portion of the rear cover body **42** has a substantially box shape opening toward the upper side, and is integrally joined to the rear cover body **42**. A leading end side location of each of the clips **46** has a plate shape with its plate thickness direction running in the up-down direction, and is disposed spaced apart from the rear cover body **42**. A leading end portion (front end portion) of each of the clips **46** is formed with a tapering shape with a decreasing left-right direction dimension on progression toward the front side. Both upper and lower faces of the leading end side location of each of the clips **44, 46** are formed with a left and right pair of projecting press-fit ribs **48**. A leading end portion (front end portion) of each of the press-fit ribs **48** is formed with a tapering shape with a decreasing

up-down direction height on progression toward the front side. The clips **44**, **46** configure plural coupling sections **50** when combined with the clip insertion portions **26**, **28** formed to the front cover **20** described previously.

An upper and lower pair of screw fastening tabs **52** are respectively formed at left and right end portions inside the rear cover body **42**. Each of the screw fastening tabs **52** is formed in a plate shape with its length direction running in the front-rear direction and its plate thickness direction running in the left-right direction. A leading end portion of each of the screw fastening tabs **52** projects forward from the rear cover body **42**. A screw hole **54** that penetrates the screw fastening tab **52** in the left-right direction is formed in the leading end portion of each of the screw fastening tabs **52**.

As illustrated in FIG. **9** to FIG. **11**, as an example, the stay **56** is manufactured by bending a metal tube so as to form an inverted, substantially U-shape as viewed along the front-rear direction. Specifically, the stay **56** is configured by a left and right pair of legs **56A** that extend along the up-down direction and are arrayed in the left-right direction with a space therebetween, and a connecting portion **56B** that connects upper end portions of the left and right legs **56A** together in the left-right direction. The left and right legs **56A** are supported by a left and right pair of headrest supports provided at the upper end portion of the non-illustrated seatback so as to allow height adjustment in the up-down direction. The upper bracket **58** and the lower bracket **62** are fixed to the stay **56** so as to configure a stay assembly **68**.

As an example, the upper bracket **58** and the lower bracket **62** are each manufactured by bending a metal plate. Overall, the upper bracket **58** has an elongated shape with its length running in the left-right direction, and is fixed to an upper face of the connecting portion **56B**. A front wall **58A** with its plate thickness direction running in the front-rear direction is provided at a length direction central portion of the upper bracket **58**. The front wall **58A** is disposed offset toward the front side of the connecting portion **56B**. A substantially rectangular through-hole **60** that penetrates the front wall **58A** in the front-rear direction is formed in a central portion of the front wall **58A**.

A lower wall **58B** extends rearward from a lower end portion of the front wall **58A**. The lower wall **58B** has a plate shape with its plate thickness direction running in the up-down direction. A rear portion of the lower wall **58B** contacts the upper face of the connecting portion **56B** and is fixed to the connecting portion **56B** by welding or the like. Left and right sidewalls **58C** extend out from left and right end portions of the front wall **58A**. Each of the left and right sidewalls **58C** initially extends rearward from the corresponding left or right end portion of the front wall **58A**, then bends toward the corresponding left-right direction outer side, and then bends rearward again at a leading end side so as to form a crank shape in plan view. A leading end portion of each of the left and right sidewalls **58C** contacts the upper face of the connecting portion **56B** and is fixed to the connecting portion **56B** by welding or the like.

Overall, the lower bracket **62** has an elongated shape with its length running in the left-right direction, and is disposed between up-down direction intermediate portions of the left and right legs **56A**. The lower bracket **62** includes a bracket body **62A** with its length direction running in the left-right direction and its plate thickness direction running in the up-down direction. A left-right direction central portion of the bracket body **62A** juts further rearward than both left-right direction side portions of the bracket body **62A**. A substantially rectangular fitting hole **64** that penetrates the

bracket body **62A** in the up-down direction is formed in the left-right direction central portion of the bracket body **62A**. Substantially rectangular through-holes **66** that penetrate the bracket body **62A** in the up-down direction are respectively formed in the left and right direction side portions of the bracket body **62A**. The left and right through-holes **66** are each formed smaller than the fitting hole **64**.

Vertical walls **62B** extend upward from left and right side portions of the bracket body **62A**. Lateral walls **62C** extend rearward from left-right direction outer end portions of the left and right vertical walls **62B**. Fixing walls **62D** extend toward the corresponding left-right direction outer side from rear end portions of the left and right lateral walls **62C**. The left and right fixing walls **62D** contact rear faces of the left and right legs **56A**, and are fixed to the left and right legs **56A** by welding or the like.

As illustrated in FIG. **12** to FIG. **16**, the sleeve **70** includes a sleeve body **72** that is, as an example, an angular tubular shaped molded resin component with its axial direction running in the up-down direction. As illustrated in FIG. **16**, a left-right direction dimension of the sleeve body **72** is set larger than a front-rear direction dimension thereof. A left and right pair of stopper portions **74** that are capable of undergoing elastic deformation toward the left-right direction center side are formed to a lower end portion of the sleeve body **72**. A stopper clip **74A** that projects toward the corresponding left-right direction outer side is formed to a lower end portion of each of the left and right stopper portions **74**.

An upper end portion of the sleeve body **72** corresponds to "one end portion of the sleeve body" of the present disclosure. A collar-shaped flange **76** extends out from the upper end portion of the sleeve body **72**. The flange **76** has a substantially rectangular shape in plan view, and juts out further toward the front side than toward both left-right direction sides and toward the rear side. A bracket-fitting section **78** extends toward the opposite side from the sleeve body **72** (i.e. extends upward) from the flange **76**. The bracket-fitting section **78** is formed in a substantially angular tubular shape with its axial direction running in the up-down direction. The interior of the sleeve body **72** is in communication with the interior of the bracket-fitting section **78**.

Set-back portions **80** that are set back from the upper side toward the lower side are respectively formed in a front portion and a rear portion of a peripheral wall configuring the bracket-fitting section **78**. Anchor clips **82** that are capable of undergoing elastic deformation toward the left-right direction center side are respectively formed in a left portion and a right portion of the peripheral wall configuring the bracket-fitting section **78**. The left and right anchor clips **82** are each separated from the peripheral wall by a U-shaped groove as viewed along the left-right direction, such that only upper end portions of the anchor clips **82** are joined to the peripheral wall. A protrusion **82A** that projects toward the corresponding left-right direction outer side is formed to a lower portion of each of the left and right anchor clips **82**.

A substantially collar shaped cover-fitting section **84** extends out from the sleeve body **72** on the opposite side of the flange **76** to the bracket-fitting section **78** (on the lower side in this example). The cover-fitting section **84** has a substantially rectangular shape in plan view, juts further toward the front side than toward both left-right direction sides and the rear side, and extends slightly further forward than the flange **76**. A groove **86** that is open toward the left-right direction outer sides and the rear side is formed in both left-right direction end portions and a rear end portion

of the cover-fitting section **84**. A cover guiding portion **86A** is formed at a rear portion of the groove **86** such that an up-down direction groove width of the groove **86** becomes enlarged toward the upper side on progression toward the rear side, thus configuring a tapering shape. The up-down direction groove width of a location of the groove **86** further forward than the cover guiding portion **86A** decreases on progression toward the front side, thus configuring a tapering shape.

In assembly of the headrest **10** including the front cover **20**, the rear cover **40**, the stay assembly **68**, the sleeve **70**, and so on, first, for example, the sleeve **70** is assembled to the lower bracket **62** of the stay assembly **68**. Specifically, the bracket-fitting section **78** of the sleeve **70** is fitted into the fitting hole **64** in the lower bracket **62** from below. During this fitting process, the protrusions **82A** on the left and right anchor clips **82** provided at the bracket-fitting section **78** slide against hole edges of the fitting hole **64**, and the left and right anchor clips **82** undergo elastic deformation toward the left-right direction center side (so as to approach each other).

As illustrated in FIG. **9**, when the bracket-fitting section **78** is then fitted further into the fitting hole **64** until the flange **76** of the sleeve **70** contacts a lower face of the lower bracket **62**, the left and right anchor clips **82** undergo elastic recovery toward the left-right direction outer sides, and the protrusions **82A** on the left and right anchor clips **82** engage with (latch onto) the hole edges of the fitting hole **64** from the opposite side of the fitting hole **64** to the flange **76**. The bracket-fitting section **78** is thereby prevented from coming out of the fitting hole **64**, thus completing assembly of the sleeve **70** to the stay assembly **68**. As illustrated in FIG. **9**, the wire harness **90** is inserted through the sleeve **70**.

Once the sleeve **70** has been assembled to the stay assembly **68** in the above manner, next, the front cover **20** is assembled to the stay assembly **68**. Note that the audio unit **14** and the trim **18** are assumed to have been pre-assembled to the front cover **20** in a separate process, for example. In assembly of the front cover **20**, the clip insertion portion **26** at the upper side of the front cover **20** is fitted through the through-hole **60** in the upper bracket **58** from the front side, and upper faces of the left and right clip insertion portions **28** at the lower side of the front cover **20** are overlaid on the lower face of the lower bracket **62**. When this is performed, the respective protrusions **27A**, **29A** of the flexible portions **27**, **29** provided at the clip insertion portions **26**, **28** slide against the upper bracket **58** and the lower bracket **62**, such that the flexible portions **27**, **29** undergo elastic deformation.

Once the front cover **20** has been assembled to the stay assembly **68** as far as the assembly position illustrated in FIG. **4**, the flexible portions **27**, **29** then undergo elastic recovery. The protrusion **27A** latches onto a hole edge of the through-hole **60** in the upper bracket **58** from the front side, and the protrusions **29A** fit into the through-holes **66** in the lower bracket **62**. When this occurs, the abutting ribs **30** of the clip insertion portion **26** abut the front wall **58A** of the upper bracket **58** from the front side, and the abutting ribs **30** of the clip insertion portions **28** abut a front edge of the bracket body **62A** of the lower bracket **62** from the front side. The front cover **20** is thereby assembled to the stay assembly **68**, and the front cover **20** is supported by the stay **56** through the upper bracket **58** and the lower bracket **62**.

Once the front cover **20** is supported by the stay **56** in the above manner, next, the rear cover **40** is assembled to the front cover **20**. In assembly of the rear cover **40**, as illustrated in FIG. **17** and FIG. **18** for example, the rear cover **40** may be brought toward the front cover **20** from the rear side,

and the upper side clip **44** inserted into the upper side clip insertion portion **26** (see FIG. **5** and FIG. **6**) (the state in FIG. **18**). Next, the set-back section **43** of the rear cover **40** and the cover-fitting section **84** of the sleeve **70** are fitted together. When this is performed, the edges of the set-back section **43** are fitted inside the cover guiding portion **86A** of the groove **86** in the cover-fitting section **84**, such that the edges of the set-back section **43** are guided into the groove **86**. The groove **86** is formed in a tapering shape with a gradually decreasing groove width on progression toward the back of the groove **86** in the edge fitting direction (toward the front side in this example). Once the edges of the set-back section **43** have been fitted as far as the back of the groove **86**, the edges are fitted together with the groove **86** without any play therebetween. While this fitting is being performed, the left and right legs **56A** of the stay **56** are fitted into the respective through-holes **47A** via the slits **47B** in the left and right rubber covers **47**. As illustrated in FIG. **3**, in a state in which this fitting is complete, part of a seam **41** between the trim **18** and the rear cover **40** is concealed from below by a concealing portion **84A** configuring a front end portion of the cover-fitting section **84**.

By positioning and fitting together the set-back section **43** of the rear cover **40** and the cover-fitting section **84** of the sleeve **70** in the above manner, the left and right clips **44** formed to a lower end portion of the rear cover **40** are positioned so as to be capable of being inserted into the left and right clip insertion portions **28** formed at a lower end portion of the front cover **20**. By fitting the edges of the set-back section **43** into the groove **86** in the cover-fitting section **84**, the left and right clips **44** are guided into the left and right clip insertion portions **28**. The front cover **20** and the rear cover **40** are thereby coupled together at the plural coupling sections **50**.

In this coupled state, the screw holes **54** in the plural screw fastening tabs **52** provided to the rear cover **40** are arranged coaxially with the threaded holes **38** in the plural screw fastening portions **36** provided to the front cover **20**. Non-illustrated screws are inserted through the respective screw holes **54**, and these screws are screwed into the respective threaded holes **38**. The screw fastening tabs **52** are thereby fixed to the respective screw fastening portions **36**, and the front cover **20** and the rear cover **40** are prevented from separating from one another. Next, the left and right speaker covers **16A** are installed in the left and right openings **24** in the front cover **20**. The headrest **10** is thereby completed.

#### Operation and Advantageous Effects

Next, explanation follows regarding operation and advantageous effects of the present exemplary embodiment.

In the headrest **10** with the above configuration, the sleeve **70** is assembled to the lower bracket **62** that is fixed to the stay **56** that supports the main body **12** of the headrest **10**. The sleeve **70** includes the sleeve body **72** that is formed in a tubular shape. The flange **76** extends in a collar shape from the upper end portion of the sleeve body **72**. The flange **76** is disposed so as to contact the lower bracket **62** from below. The bracket-fitting section **78** extends out from the flange **76** toward the opposite side from the sleeve body **72**. The bracket-fitting section **78** is fitted into the fitting hole **64** formed in the lower bracket **62** from below. The left and right anchor clips **82** are provided at the bracket-fitting section **78**. These anchor clips **82** undergo elastic deformation followed by elastic recovery during the fitting process so as to engage with the lower bracket **62** from the opposite side from the flange **76** (i.e. from the upper side). The sleeve **70** is thereby assembled to the lower bracket **62**. Assembly

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can be completed simply by performing the above fitting operation, rendering a screw fastening process unnecessary. This for example enables a reduction in manufacturing costs.

Moreover, the cover-fitting section **84** of the sleeve **70** extends out from the sleeve body **72** on the opposite side of the flange **76** from the bracket-fitting section **78**. The cover-fitting section **84** is fitted together with the set-back section **43** formed in the rear cover **40** included in the main body **12** of the headrest **10**. The sleeve **70** is thus supported at two locations by the rear cover **40** and the lower bracket **62**, namely at the cover-fitting section **84** and the bracket-fitting section **78**, thereby enabling the support strength provided at the sleeve **70** to be enhanced.

Moreover, the cover-fitting section **84** is formed with the groove **86** into which the edges of the set-back section **43** in the rear cover **40** are fitted. This enables the cover-fitting section **84** to be securely supported with respect to the rear cover **40**.

Moreover, the groove **86** is formed in a tapering shape with a gradually decreasing groove width on progression toward the back of the groove **86** along the edge fitting direction of the set-back section **43**. This enables play between the groove **86** (i.e. the cover-fitting section **84**) and the edges of the set-back section **43** to be reduced or eliminated.

Moreover, in the sleeve **70**, during coupling of the rear cover **40** of the main body **12** of the headrest **10** to the front cover **20** that is supported by the stay **56** of the headrest **10**, the cover-fitting section **84** is fitted into the set-back section **43** in the rear cover **40**. The rear cover **40** and the front cover **20** are coupled together at the plural coupling sections **50** arranged inside the headrest **10**. Although this coupling operation is performed under circumstances in which the plural coupling sections **50** are difficult to see, the rear cover **40** and the front cover **20** are positioned with respect to each other as the cover-fitting section **84** and the set-back section **43** in the rear cover **40** are being fitted together. This enables the coupling of the plural coupling sections **50** to be guided, thereby facilitating the coupling operation.

Moreover, in the sleeve **70**, the cover-fitting section **84** that is fitted together with the set-back section **43** in the rear cover **40** includes the concealing portion **84A**. The concealing portion **84A** conceals part of the seam **41** (see FIG. 3) between the trim **18** laid over the front cover **20** and the rear cover **40** from below. This enables a high quality finish to be obtained at the seam **41**.

Although a configuration has been described in which the cover-fitting section **84** includes the concealing portion **84A** in the above exemplary embodiment, there is no limitation thereto. A configuration may be employed in which the cover-fitting section **84** does not include the concealing portion **84A**.

Although a configuration has been described in which the main body **12** of the headrest **10** includes the front cover **20** and the rear cover **40** in the above exemplary embodiment, there is no limitation thereto. The configuration of the main body **12** may be modified as appropriate.

Although a configuration has been described in which the edges of the set-back section **43** in the rear cover **40** are fitted into the groove **86** formed in the cover-fitting section **84** in the above exemplary embodiment, there is no limitation thereto. For example, a portion of the cover-fitting section **84** for fitting together with the set-back section **43** may be formed with a stepped profile.

Although a configuration has been described in which the sleeve **70** includes the cover-fitting section **84** in the above

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exemplary embodiment, there is no limitation thereto. A configuration may be employed in which the sleeve **70** does not include the cover-fitting section **84**.

Although a configuration has been described in which the audio unit **14** configuring an electrical device is installed in the main body **12** of the headrest **10** in the above exemplary embodiment, there is no limitation thereto. For example, a configuration may be employed in which a headrest monitor is installed in the main body **12** of the headrest **10**.

Various other modifications may be implemented within a range not departing from the spirit of the present disclosure. Obviously the scope of rights of the present disclosure is not limited to the above exemplary embodiment.

What is claimed is:

1. A headrest sleeve for assembly to a bracket fixed to a stay for supporting a main body of a headrest, the headrest sleeve comprising:

a sleeve body formed in a tubular shape;  
a collar-shaped flange extending from one end portion of the sleeve body and disposed so as to be capable of contacting the bracket;

a bracket-fitting section extending from the flange toward an opposite side from the sleeve body and configured to be capable of being fitted into a fitting hole formed in the bracket; and

an anchor clip provided at the bracket-fitting section and configured to undergo elastic deformation and elastic recovery during the fitting of the bracket-fitting section into the fitting hole so as to engage with the bracket from an opposite side from the flange.

2. The headrest sleeve of claim 1, further comprising:

a cover-fitting section extending from the sleeve body on an opposite side of the flange from the bracket-fitting section,

wherein the cover-fitting section is configured to be capable of fitting together with a set-back section formed in a cover member included in the main body.

3. The headrest sleeve of claim 2, wherein the cover-fitting section is formed with a groove into which an edge of the set-back section is fitted.

4. The headrest sleeve of claim 3, wherein the groove is formed in a tapering shape such that a groove width of the groove gradually decreases on progression toward a back side of the groove in a fitting direction of the edge of the set-back section.

5. The headrest sleeve of claim 2, wherein:

the main body includes another cover member that is supported by the stay; and

the cover member is coupled to the other cover member by a plurality of coupling sections arranged inside the headrest, and the cover-fitting section is fitted together with the set-back section during the coupling.

6. The headrest sleeve of claim 2, wherein:

the main body includes:

another cover member that is supported by the stay and to which the cover member is coupled, and  
a covering material that is laid over the other cover member; and

the cover-fitting section includes a concealing portion that hides part of a seam between the covering material and the cover member.

7. The headrest sleeve of claim 1, wherein:

the bracket includes a bracket body with a plate thickness direction running in an up-down direction of the headrest; and

the bracket-fitting section is fitted into the fitting hole that penetrates the bracket body in the up-down direction.

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- 8. The headrest sleeve of claim 1, wherein:  
an audio unit including left and right speakers is built into  
the main body of the headrest;  
left and right speaker covers configure a styling face on  
left and right sides of the main body; and  
a wire harness configured to supply electrical power to the  
audio unit is inserted through the sleeve body.
- 9. The headrest sleeve of claim 1, wherein:  
the anchor clip is separated from a peripheral wall of the  
bracket-fitting section by a groove that forms a U-shape  
as viewed along a left-right direction of the headrest;  
and  
an upper end portion of the anchor clip is joined to the  
peripheral wall.
- 10. A headrest comprising:  
a stay to which a bracket is fixed;  
a main body supported by the stay; and  
the headrest sleeve of claim 1 assembled to the bracket.
- 11. The headrest of claim 10, wherein:  
the headrest sleeve further includes a cover-fitting section  
extending from the sleeve body on an opposite side of  
the flange from the bracket-fitting section; and  
the cover-fitting section is configured to fit together with  
a set-back section formed in a cover member included  
in the main body.
- 12. The headrest of claim 11, wherein the cover-fitting  
section is formed with a groove into which an edge of the  
set-back section is fitted.
- 13. The headrest of claim 12, wherein the groove is  
formed in a tapering shape such that a groove width of the  
groove gradually decreases on progression toward a back  
side of the groove in a fitting direction of the edge of the  
set-back section.
- 14. The headrest of claim 11, wherein:  
the main body includes another cover member that is  
supported by the stay; and

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- the cover member is coupled to the other cover member  
by a plurality of coupling sections arranged inside the  
headrest, and the cover-fitting section is fitted together  
with the set-back section during the coupling.
- 15. The headrest of claim 11, wherein:  
the main body includes:  
another cover member that is supported by the stay and  
to which the cover member is coupled, and  
a covering material that is laid over the other cover  
member; and  
the cover-fitting section includes a concealing portion that  
hides part of a seam between the covering material and  
the cover member.
- 16. The headrest of claim 10, wherein:  
the bracket includes a bracket body with a plate thickness  
direction running in an up-down direction of the head-  
rest; and  
the bracket-fitting section of the headrest sleeve is fitted  
into the fitting hole that penetrates the bracket body in  
the up-down direction.
- 17. The headrest of claim 10, wherein:  
an audio unit including left and right speakers is built into  
the main body, and left and right speaker covers con-  
figure a styling face on left and right sides of the main  
body; and  
a wire harness configured to supply electrical power to the  
audio unit is inserted through the sleeve body of the  
headrest sleeve.
- 18. The headrest of claim 10, wherein:  
the anchor clip of the headrest sleeve is separated from a  
peripheral wall of the bracket-fitting section by a  
groove that forms a U-shape as viewed along a left-  
right direction of the headrest; and  
an upper end portion of the anchor clip is joined to the  
peripheral wall.

\* \* \* \* \*